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PRE
B. J. J. J.
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hake, Jens, et al.
Application No.: 09/786,164
Filed: February 28, 2001
For: METHOD FOR IMPROVING THE SECURITY OF
AUTHENTICATION PROCEDURES IN DIGITAL
MOBILE RADIO TELEPHONE SYSTEMS

Assistant Commissioner for Patents
Attention: Box PCT
Washington, DC 20231

Preliminary Amendment

Sir:

Please amend the above-identified application as follows:

In the Claims:

Please amend the claims as follows:

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3. (amended) Procedure, according to claim 2, is characterized by the mobile radio network that, with special algorithms under specification of a random number (RAND) determines a SRES/KC-pair for all SIM-specific codes (KI) forming, with the respective RAND, RAND/SRES/KC-triplets.
4. (amended) Procedure, according to claim 3, is characterized by the formed RAND/SRES/KC-triplets that are stored in the mobile radio network.
5. (amended) Procedure, according to claim 4, is characterized by a RAND of one of these triplets, that is sent to the subscriber identification module from the mobile radio network to initiate the authentication.
6. (amended) Procedure, according to claim 5, is characterized by the subscriber identification module that calculates the corresponding values for SRES and KC by